

REQUIREMENTS FOR DEGREES

The College of William and Mary confers in course the following degrees, each under the jurisdiction of the Faculty or School indicated:

Faculty of Arts and Sciences: Bachelor of Arts (A.B.), Bachelor of Science (B.S.), Master of Arts (M.A.), Master of Public Policy (M.P.P.), Master of Science (M.S.), Doctor of Philosophy (Ph.D.) and Doctor of Psychology (Psy.D.).

The M.A. is offered in American studies, anthropology, applied science, biology, chemistry, history, physics and psychology. The M.S. is offered in applied science, computer science and physics. The Ph.D. is offered in American studies, applied science, computer science, history and physics.

School of Business Administration: Bachelor of Business Administration (B.B.A.), Master of Business Administration (M.B.A.) and Master of Accounting (M.A.C.)

School of Education: Master of Arts in Education (M.A.), Master of Education (M.Ed.) Doctor of Education (Ed.D.) and Doctor of Philosophy (Ph.D.)

School of Law: Juris Doctor (J.D.) and Master of Laws in Taxation (LL.M.).

School of Marine Science: Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.).

The requirements for the baccalaureate degree of Bachelor of Business Administration will be found on page 303 of this catalog. The requirements for graduate degrees are stated in the Graduate Catalog of the Faculty of Arts and Sciences or the Catalogs of the individual Schools.

The undergraduate degrees of Bachelor of Arts and Bachelor of Science are liberal arts degrees. A liberal education, although it has no single fixed definition, is more than a haphazard accumulation of courses. Its essential purpose is to liberate and broaden the mind, to produce men and women with vision and perspective as well as specific practical skills and knowledge.

The major foundations on which a liberal education must be built are well recognized. For these reasons, the College requires all of its undergraduates to plan, with the help of faculty advisors and within the framework of broad general degree requirements, programs of liberal education suited to their particular needs and interests.

The general degree requirements set forth below are designed to permit a high degree of flexibility for each student in planning an individualized program of liberal education within broad basic limits. In this planning, the student and advisor should build upon the student's previous preparation. First-year students should pursue, at the highest level preparation allows, at least one study in which they have interest and competence. As early as possible such students should explore some studies with which they are unfamiliar in order to open up new interests and opportunities.

Students should take care to lay the foundations for future specialization, in college or beyond in graduate or professional school, by anticipating specific prerequisites. A liberal education presupposes certain proficiencies. Foremost among these is the ability to express oneself clearly both in speech and writing, for clear expression goes hand in hand with clear thinking. Another invaluable foundation of a liberal education is some experience with a foreign language, at least to the point where a student begins to see the cultural as well as practical values of foreign language study. Because students entering college differ widely in their previous preparation in these respects, the proficiency requirements of the College establish only basic minimums; but such students are encouraged to proceed beyond these minimums to whatever extent their interests and abilities suggest.

The Freshman Seminar requirement provides first-year students with a substantive seminar experience that is reading-, writing- and discussion-intensive. The goal of freshman seminars is to initiate students into the culture of critical thinking and independent inquiry that is at the core of the undergraduate program.

The College has identified seven General Education Requirements (GERs) that each student must satisfy before graduation. GERs are each defined by a specific domain of knowledge, skill or experience that the faculty considers crucial to a liberal education. Students have a wide range of courses from which to choose to meet each of the GERs: for example, approved courses for GER 7, "Philosophical, Religious and Social Thought," are offered by at least five different departments. When combined with the thoroughness and focus brought by the student's major and the freedom of exploration brought by the elective component of the student's curriculum, the GERs help to develop the breadth of integrated knowledge that characterizes the liberally educated person.

Finally, in the area of the chosen major, every student is required to pursue in depth the exploration of a specific academic discipline or two or more related ones through an interdisciplinary major. Here the student has the fullest possible opportunities for both independent study and work in a Major Honors program, as well as for regular course work.

The Faculty of Arts and Sciences of the College determines the degree requirements for the A.B. and B.S. degrees, including the determination of the regulations governing academic standards, grading and class attendance. Obligation to its educational mission gives to the College the right and responsibility, subject to the employment of fair procedures, to suspend, dismiss or deny continuance of a student whose academic achievement does not meet established College standards.

Requirements for degrees are stated in terms of semester credits which are based upon the satisfactory completion of courses of instruction. Usually one semester credit is given for each class hour a week through a semester. A minimum of two hours of laboratory work a week through a semester will be required for a semester credit. A continuous course covers a field of closely related material and may not be entered at the beginning of the second semester without approval of the instructor.

Placement, Credit by Examination and Transfer Credit

College Board Advanced Placement

Entering students interested in receiving academic credit and/or advanced placement for college level work undertaken before entering William and Mary should take the College Board Advanced Placement Examination. Advanced Placement Examinations may be taken in

art, art history, American history, biology, classical languages, chemistry, computer science, economics, English, environmental science, European history, government, human geography, mathematics, modern languages and literatures, music, physics, psychology and statistics. These examinations are graded by the College Entrance Examination Board on a 5 point scale.

The policies in each department governing credit and/or advanced placement for scores on AP examinations vary according to how the material covered by examinations fits the curriculum of the department. Members of the William and Mary faculty are actively engaged with the College Board in the development and grading of AP examinations.

In most departments, academic credit and/or advanced placement is routinely awarded based on the test score. In some cases, the Advanced Placement Examinations are reviewed by the faculty in the appropriate department at William and Mary to determine whether advanced placement and/or academic credit is warranted, using the content of the College's introductory course as a guide.

Credit received through the Advanced Placement program may be applied toward degree requirements, including proficiency, General Education Requirements, minor and major requirements. However, mere exemptions from courses may not be applied toward General Education Requirements. Only awarded credit may apply toward these.

The College of William and Mary grants credit or course exemptions in the following areas for Advanced Placement Examinations:

Advanced Placement Exam	Score	Course and Credit Granted	Course Exemption (No Credit Granted)
APIEL (International English Language)	4 or 5	Departmental Review	Departmental Review
Art History	5	Art History 251 (3) Art History 252 (3)	
Art Studio Drawing	5	Portfolio Review for Art 211 or 212 (3)	
Art Studio: Art 2-D Design Art Studio: Art 3-D Design		Portfolio Review Portfolio Review	
Biology	5	Biology 100 (3) Biology 102 (1)	Biology 200,203,204

If a student elects to enroll in Biology 203 and/or 204, the 3 credits will not be applied towards either the major or minor and instead will be applied towards general graduation credit. Likewise, enrollment in BIO 200 converts the 1 biology major or minor credit to general graduation credit.

Chemistry	5	Chemistry 103 (3) Chemistry 151 (1) Chemistry 308 (3) Chemistry 354 (1)	
Chemistry	4	Chemistry 103 (3) Chemistry 151 (1)	
Computer Science A Computer Science AB	4 or 5 3, 4, or 5	Computer Science 141 (4) Computer Science 141 (4)	
Microeconomics	4 or 5	Economics 101 (3)	
Macroeconomics	4 or 5	Economics 102 (3)	
English Composition and Literature	4 or 5	English 201 (3)	Writing 101
English Language and Composition	4 or 5		Writing 101
Environmental Science	5	Biology 108 (3)	
Environmental Science	4		Biology 108
Comparative Government	4 or 5	Government 203 (3)	
American Government	4 or 5	Government 201 (3)	
Human Geography	4 or 5	Government 381 (3)	
European History	5	History 111 (3) History 112 (3)	
European History	4	History 112 (3)	History 111

European History	3		History 111 and 112
American History	5	History 121 (3) History 122 (3)	
American History	4		History 121 and 122
World History	4 or 5	No exemption; 0 credit	
Latin Literature	5	Latin 202 (3)	
Latin Literature	4	Latin 201 (3)	
Latin Vergil	5	Latin 202 (3)	
Latin Vergil	4	Latin 201 (3)	
<i>SAT II Latin Subject Test of 650 or higher will also receive 3 credits for Latin 202.</i>			
Latin Literature and Virgil Combined	5 in both or 4 and 5	Latin 201 (3) Latin 202 (3)	
Latin Literature and Virgil Combined	4 on both	Latin 201 (3)	
<i>SAT II Latin Subject Test of 650 or higher will also receive 3 credits for Latin 202.</i>			
Calculus AB	4 or 5	Math 111 (4)	
<i>Calculus AB subscore – no credit or exemption</i>			
Calculus BC	4 or 5	Math 111 (4) Math 112 (4)	
Calculus BC	3	Math 111 (4)	
French Language or French Literature	5	French 206 (3) French 210 (3)	
French Language	4	French 206 (3)	
French Literature	4	French 210 (3)	
French Language or French Literature	3	French 202 (4)	
German Language	5	German 205 (3) German 206 (3)	
German Language	4	German 206 (3)	
German Literature	5	German 205 (3) German 208 (3)	
German Literature	4	German 208 (3)	
German Language or German Literature	3	German 202 (3)	
Spanish Language	5	Hispanic Studies 206 (3) Hispanic Studies 207 (3)	
Spanish Language	4	Hispanic Studies 206 (3)	
Spanish Literature	5	Hispanic Studies 207 (3) Hispanic Studies 208 (3)	
Spanish Literature	4	Hispanic Studies 208 (3)	
Spanish Language or Spanish Literature	3	Hispanic Studies 202 (3)	

Music Theory	4 or 5	Music Elective (4)	
<i>Music Aural & Nonaural subscore – no credit or exemption</i>			
Physics B	5	Physics 107 (4) Physics 108 (4)	
Physics CM	5	Physics 101 (4)	
Physics CEM	5	Physics 102 (4)	
Psychology	5	Psych 201 (3) Psych 202 (3)	
Psychology	4	Psych 201 (3)	Psych 202
Statistics	4 or 5	Statistics Elective (3)	Bus 231

International Baccalaureate

Entering students who have taken the examinations for the International Baccalaureate (IB) may receive academic credit and/or exemption for college level work undertaken before enrolling at William and Mary. The examinations are graded on a 7 point scale. The policies in each department governing credit and/or exemption for scores on IB examinations vary according to how the curriculum covered by an examination fits the curriculum of the department. In most departments, academic credit and/or exemption is routinely awarded based on the test score. In some cases, the IB examination is reviewed by the faculty in the appropriate department to determine whether advanced placement and/or academic credit is warranted. Members of the William and Mary faculty are actively engaged with the International Baccalaureate North America office. Information on current policies is available from the Office of the Dean of Undergraduate Studies. Credit received through the IB program may be applied toward degree requirements, including proficiency, General Education Requirements, minor and major requirements.

The College of William and Mary grants credit or course exemptions in the following areas for International Baccalaureate Examinations:

International Baccalaureate Higher Level Exam	Score	Course and Credit Granted	Course Exemption (No Credit Granted)
Art/Design	6 or 7	Departmental Review	Departmental Review
Biology	5, 6 or 7	Biology 100 (3) Biology 102 (1)	Biology 200, 203, 204
Classical Studies	5, 6 or 7	Departmental Review	Departmental Review
Chemistry	6 or 7	Chemistry 103 (3) Chemistry 151 (1) Chemistry 308 (3) Chemistry 354 (1)	
Chemistry	5	Chemistry 103 (3) Chemistry 151 (1)	
Economics	5, 6 or 7	Economics 101 (3) Economics 102 (3)	
English	6 or 7	English 201 (3)	Writing 101
English	5		Writing 101
World History	6 or 7	History 192 (3) History elective (3)	
History Americas	6 or 7	History 104 (3) History elective (3)	
History Europe	6 or 7	History 112 (3) History elective (3)	
Mathematics	6 or 7	Math 111 (4) Math 112 (4)	
Mathematics	5	Math 111 (4)	

Music	6 or 7	Departmental Review	
French	6 or 7	French 206 (3) French 210 (3)	
French	5	French 206 (3)	
French	4	Language requirement fulfilled	
German	6 or 7	German 205 (3) German 206 (3)	
German	5	German 206 (3)	
German	4	Language requirement fulfilled	
Spanish	6 or 7	Hispanic Studies 206 (3) Hispanic Studies 207 (3)	
Spanish	5	Hispanic Studies 206 (3)	
Spanish	4	Language requirement fulfilled	
Human Geography	6 or 7	Government 381 (3)	
Philosophy	5, 6 or 7	Departmental Review	Departmental Review
Physics	6 or 7	PHYS107 (4) PHYS108 (4)	
Psychology	6 or 7	Psych 201 (3) Psych 202 (3)	
Psychology	5	Psych 201 (3)	

Credit by Examination

Students at the College may request academic credit for courses by examination. Interested students should petition the Committee on Degrees for permission to take an examination for credit. If the petition is granted, the department at the College in which the course is normally offered sets an appropriate examination and certifies the results to the registrar. Students may not receive credit by examination after registration for their final semester, when they are enrolled in the course at the time of the request, when upper level course work in the same subject has already begun, or when the same course has previously been failed.

William and Mary does not participate in the College Board CLEP program or in the Subject Standardized Test of the United States Armed Forces Institute.

Transfer Credit

Transfer of Credit from Institutions in the United States: The Office of the University Registrar is responsible for evaluating domestic transfer credit. Transfer credit is granted for any course taken at an accredited college or university in which the student prior to coming to the College has earned a grade of “C-” or better (or, in the case of a course taken on a Pass/Fail basis, a grade of “P”), provided that the course is comparable to a course offered for academic credit at the College. A course is deemed comparable to a course offered for academic credit at the College if either (a) the course is similar to a course presently offered for academic credit at the College, or (b) it is not similar to an existing course, but is recommended for credit by an existing academic program or department at the College. Thus, it is not necessary that a course exactly match or be similar to a course offered at the College in order to be granted transfer credit. Equivalent credit is granted for courses satisfying condition (a). Elective transfer credit is granted for courses satisfying condition (b). For institutions on the quarter system, two-thirds of the credits will be transferred to the College. Courses given equivalent status may be used to satisfy proficiency, minor, major, or if three or more credits, GER requirements. Courses granted elective transfer credit will count toward the total number of academic credits required for the baccalaureate degree, but they may not be used to meet GER, proficiency, minor or major requirements unless approval has been granted by the College’s Committee on Degrees.

Transfer credit will not be granted for courses which belong in one or more of the following categories: a) correspondence, computer or distance learning courses, b) courses in professional, vocational or sectarian religious study, c) courses below the level of introductory courses at the College, d) modern language courses which repeat the level of courses previously taken in high school or at other colleges, e) freshman English courses of more than one semester which are devoted primarily to writing or composition and f) college orientation courses. The College does not grant credit for attendance in service schools or training programs in the Armed Forces unless it can be demonstrated that such attendance is the equivalent of a course or courses offered at William and Mary. Academic courses taken while on military service at accredited colleges, universities or language institutes may be transferred in the normal manner. No credit will be granted for general military training, or for work done while a student is not in good standing. (Please refer to the following sections for

Transfer Credit from Foreign Institutions and Summer School elsewhere.)

Students transferring with an Associate of Arts, Associate of Sciences or Associate of Arts and Sciences degree in a baccalaureate-oriented program from the Virginia Community College System or Richard Bland College are granted junior status (defined as at least 54 credits). These students are considered to have completed lower-division general education requirements, but are expected to fulfill the College's foreign language proficiency requirement, GER 4B (History and Culture outside the European Tradition), GER 6 (Creative and Performing Arts), and GER 7 (Philosophical, Religious and Social Thought), and all major requirements. Admitted students who are certified by the Virginia Community College System as having completed the "transfer module," achieving no grade below C in the specified courses, will receive 35 credits at the College and will have made significant progress toward meeting the degree requirements. They will still be responsible for meeting all degree requirements including all general education requirements of the College. The Guide for Transfer Students from Virginia Community Colleges provides additional information. Performance information concerning these transfer students will be shared confidentially with the two-year colleges from which they transfer.

Evaluations of credits earned from other institutions are made after a student has been selected for admission and has indicated an intention to enroll. Students may not assume that credit will be granted for all courses completed at their transfer institution. Transfer grades do not affect degree requirements, grade point average or class rank. While there is no limit to the number of courses which may be transferred, William and Mary requires that at least 60 semester credits, including a minimum of 15 credits in the major, be earned in residence at the College in Williamsburg.

Transfer of Credit from Foreign Institutions: Students entering William and Mary from foreign institutions may receive academic credit for college level work undertaken before enrolling at the College. The Office of Academic Advising evaluates each student's record and upon consultation with the Office of Admission and appropriate departments, determines credit to be awarded. Information on current policies is available from the Office of the Dean of Undergraduate Studies. Students who plan to study abroad should contact the Reeves Center for International Studies during the semester prior to the study abroad experience and follow the appropriate procedures for prior approval of transfer credit.

Domestic Study Away (which includes Summer School Elsewhere): Any student of the College who proposes to attend school elsewhere, including a summer session, must have written permission in advance from the Office of the University Registrar in order to insure that credit will be transferred. No retroactive transfer of such credit will be permitted. Forms are available on the website of the University Registrar. After a student enrolls at the College, courses taken at other institutions, either during the regular academic year or in a summer session may not be used to satisfy proficiency, GER, minor or major requirements unless special approval has been granted by the Committee on Degrees. One exception is that modern language courses at the 101, 102 and 201 levels may count toward satisfying the language proficiency requirement even though taken at summer school elsewhere. This exception applies solely to these three language course levels. See also Study Abroad section.

Courses taken in summer school or intersession elsewhere must be at least four weeks long and must meet at least 12.5 hours per semester credit transferred to William and Mary. Courses lasting six weeks or longer must meet for at least 32.5 hours for a three-semester credit course. Other courses will not receive permission of the Committee on Degrees unless the nature of the course and the special educational value of the course to the student's program are demonstrated. A maximum of 14 credits may be transferred for work taken during one summer.

Requirements for the Baccalaureate Degree

General Requirements

One hundred and twenty semester credits are required for graduation. Students must earn a minimum Grade point average of 2.0 for all courses at William and Mary for which they receive grades of A, B, C, D or F. Students also must earn a minimum Grade point average of 2.0 for all courses in their fields of major.

Students must fulfill the general degree requirements set forth in the catalog at the date of entrance to the College, and must fulfill the major requirements in effect when the choice of major is declared. Students who fail to graduate within six calendar years of the date of entrance to the College relinquish the right to graduate under the requirements set forth in the catalog at the time of entrance and major declaration, and must fulfill the requirements set forth in the catalog under which they re-enter the College as a degree candidate for the final time prior to graduation. If a student has not been enrolled at the College for five calendar years or more since the end of the last semester of registration at William and Mary, the student's record is subject to re-evaluation under regulations available in the Office of the Dean of the Faculty of Arts and Sciences. Once a student's degree has been conferred, the academic record is closed and it cannot be changed or amended.

Credit Hour Residency Requirement

No degree will be granted by the College until the applicant has completed a minimum of 60 semester credits in residence at the College in Williamsburg. This period must include the last two full-time semesters in which credits counted toward the degree are earned. In addition, a minimum of 15 semester credits in the major must be taken in residence at the College.

Ten Semester Rule

A student must complete degree requirements within 10 semesters. A fall or spring semester during which a student attempts 12 or more academic credits counts as one semester under the 10 semester rule. Summer Session, transfer credits and underloads are counted as follows:

- The total number of academic credits attempted during Summer Session is divided by 15, the normal course load during a regular semester. For example, six hours attempted during Summer Session count as 6/15 of a semester.
- Academic credit transferred to the College from other institutions and underloads approved by the Committee on Academic Status for fall or spring semesters are counted proportionally in the same manner as Summer Session credits.

Credit Hour Limitations in Dance, Music, Physical Activities and Statistics

Forty-Eight Hour Rule

Of the 120 semester credits required for graduation, no more than 48 semester credits may be applied in a single subject field. Although students may earn more than 48 semester credits in a single subject, a minimum of 72 semester credits must also be earned in other subject fields. For example, if a student has 55 semester credits in English, then she or he will have to earn a total of 127 credits to graduate. (Exceptions to the 48 hour rule occur in East Asian Studies; consult the Catalog section on International Studies; and for students declaring a major in Art (not Art History); consult the Catalog section on the Department of Art and Art History.)

Dance

Although students may take as many credits as they wish of dance technique and Performance Ensemble (Dance 111, 112, 115, 211, 212, 213, 214, 261, 262, 264, 311, 312, 321, 322, 411, 412), a maximum of 14 credits may be applied toward the 120 credits required for a degree for those not minoring in Dance. Please note: This limit does not include other Dance Program courses such as dance history, freshman seminars, composition, practicum, independent projects or Alexander Technique.

Music

While students may take as many credits as they wish of applied music lessons and ensemble, a maximum of 14 credits may be applied toward the 120 credits required for a degree by those not majoring in Music.

Physical Activity

Students may not apply more than four Kinesiology activity credits toward the 120 credits needed for graduation. Kinesiology majors are eligible to utilize a maximum of six activity credits toward graduation.

Statistics

Several departments offer introductory statistics courses: The School of Business Administration (BUS 231), the departments of Economics (ECON307), Kinesiology (KIN 394), Mathematics (MATH106 and 308), Psychology (PSY 301), and Sociology (SOC 353). No more than two of these introductory statistics courses may be counted toward the 120 hour degree requirement.

Requests for Exemption

Students requesting exemption from any of the requirements for the degrees of A.B. and B.S. must petition the Committee on Degrees. Students who wish to initiate a petition should contact the Office of the Dean of Undergraduate Studies, Faculty of Arts and Sciences. In exceptional cases, students, by petition to the Committee on Degrees, may be released from normal requirements and permitted to devise their own programs in consultation with an advisor and subject to the approval of the Committee. Petition forms are available on the website of the Dean of Undergraduate Studies at <http://www.wm.edu/FAS/studentdocs.php>.

A. Foreign Language Proficiency

Students are required to demonstrate proficiency in a foreign language commensurate with the 202 level at William and Mary. Completion of the foreign language requirement is accomplished in several ways;

1. completion of Level IV in high school of an ancient or modern foreign language
2. a score of at least 600 on the College Board SAT II achievement test in a modern foreign language or 650 on the test in Latin;
3. completion of a college language course at or above the 202 level

In order to demonstrate proficiency in a modern foreign language not currently offered at William and Mary, students may petition to the Chair of Modern Languages. Petition forms may be obtained from the secretary of Modern Languages.

Unless students have completed the fourth year level in high school of a single ancient or modern foreign language, or demonstrate proficiency by achieving scores of 600 on the College Board SAT II Subject Test in French, German, Russian or Spanish, or scores of 650 on the Test in Latin, they must satisfactorily complete a fourth semester course (or above) and all necessary prerequisites in a language in college. The following additional placement rules apply to modern languages:

Placement in modern languages by years of high school study:

1. If you have completed Level I, enroll in 101 or 102.
2. If you have completed Level II, enroll in 201.
3. If you have completed Level III, enroll in either 201 or 202.
1. If you have completed Level IV or V, enroll in courses above 202 (e.g. French 151 or 210; German 205 or 208, Hispanic Studies 151 or 207, etc.)

For placement credit under Advanced Placement scores, see catalog section on Advanced Placement.

Transfer students will not receive transfer credit for 101-202 courses taken at other institutions if, based on their high school study, they would not be eligible for credit if they had originally matriculated at William and Mary. For example, students with 4 or 5 years of high school study of French or Spanish who took the equivalent of 201-202 at the transfer institution will not receive credit for those courses at W & M. However, transfer students with 4 or more years of high school study in one language will be considered to have completed the language requirement and may enroll in appropriate courses above the 202 level.

Students with documented learning disabilities, aural/oral impairments or other disabilities which make the study of a foreign language impossible or unreasonably difficult should consult with the Assistant Dean of Students for Disability Services upon matriculation and, if appropriate, petition the Committee on Degrees to modify the foreign language requirement. Guided by test results and the recommendations of professionals, the committee may allow the substitution of other appropriate courses. Except under extraordinary circumstances, substitution of courses will not be approved after pre-registration for the senior year. Selection of the courses must be made in consultation with the Dean of Undergraduate Studies, Faculty of Arts and Sciences. These courses cannot be used to satisfy any General Education Requirements or a minor or major requirement. They may not be taken using the Pass/Fail option.

B. Writing Proficiency

- i. **Lower Division Writing Requirement:** All students must satisfactorily complete with a grade of C- or better, by the end of their fourth semester and normally during their first year at the College, a one-semester course in writing-either Writing 101 or a freshman seminar or a lower-division course designated "W". The only exemptions to this requirement are through AP, IB or transfer credit (see appropriate catalog sections).
- ii. **Major Writing Requirement:** In addition, all students must satisfy the Major Writing Requirement described by each department, program or school. Students must satisfy the lower-division writing proficiency requirement before attempting the Major Writing Requirement. If the department, program or school specifies a graded course or courses to satisfy the requirement, the student's grade(s) in that course or those courses must be C- or better. The purpose of the Major Writing Requirement is to ensure that students continue to develop their ability to write in clear, effective prose, which contains sustained and well-developed thought. The Major Writing Requirement must provide students with a series of opportunities to practice their writing, especially as commented upon by an instructor. Each student is expected to complete the writing requirement before the beginning of the graduating semester, normally during the junior and senior years; where the requirement may be met through a Major Honors paper, a senior paper, or the like, it may be completed as late as the end of the graduating semester. When a student has a double major, the requirement applies in each major.

C. Computing Proficiency

All students must satisfy a Major Computing Requirement. Each department and program or school has described how the Major Computing Requirement is fulfilled. Consult the catalog section for the appropriate department or program.

2. Freshman Seminar Requirement

Each entering undergraduate student is required to pass one freshman seminar. The only students who are exempt from this requirement are transfer students who enter the College with at least 24 semester credits earned after graduation from high school, which have been accepted for credit at the College of William and Mary. College credits earned through Advanced Placement or other placement tests will not be counted towards the 24 semester credits required for exemption. The freshman seminar requirement should be completed during the freshman year. A student may not declare a major until this requirement is completed. Freshman seminars are usually numbered 150 and are offered in most departments and programs. Freshman seminars designated "W" and other lower-division courses designated "W" may be used to satisfy the lower-division writing requirement when the student earns a C- or better.

3. General Education Requirements (GERs)

Undergraduate students are required to fulfill the seven General Education Requirements (GERs) as given below. GER courses must be either three- or four-credit courses except for courses used to fulfill GER 6, which can be one-, two-, three- or four-credit courses. A single course may fulfill, at most, two GERs and may also be used to fulfill major and/or proficiency requirements. Courses used to satisfy GERs may not be taken Pass/Fail except for those courses that are designated by the College as Pass/Fail courses, such as physical activity courses in the Department of Kinesiology.

Students may satisfy one or more of the GERs by receiving credit for a GER course through Advanced Placement (AP) or International Baccalaureate (IB) test scores, or by receiving transfer credit if the course is taken prior to enrolling at the College. For GER 6 only, an exemption (without credit) may be granted if a student is exempt from a course that satisfies GER 6 or if he/she has met the exemption criteria, as defined by the affected departments. Current exemption criteria are available from the Office of the University Registrar. For all other GERs, exemption (without credit) from a course that satisfies the GER does not result in fulfillment of the GER. All exemptions from GER 6 must be attempted and completed within a student's first two years in residence at the College.

GER 1 Mathematics and Quantitative Reasoning (one course)

Courses offered by the College in fulfillment of GER 1 must develop computational techniques in the context of problems that are pertinent to the experience and training of the students. The setting of these problems should be recognizable to an informed non-mathematician. The problems themselves must require mathematical tools for their analysis. **A course must satisfy the following two requirements:**

- 1. Include BOTH mathematics and quantitative reasoning at its core. Thus, it is expected that numerical**

procedures (quantitative reasoning) will be accompanied by mathematical theory as justification; and

2. Devote a significant amount of time to applications of the mathematical methods developed in the course.

GER 2 Natural Sciences (two courses, one of which is taken with its associated laboratory)

2A Physical Sciences (one course)

2B Biological Sciences (one course)

The fundamental requirement of GER 2 courses is that they introduce students to the enduring scientific principles which underlie many of the important issues of their times, and foster an appreciation of how science relates to our wider culture. Because these issues can change over the course of a lifetime, students must be given a foundation which prepares them to further educate themselves. Such a preparation requires providing the student not only with factual information but also with:

1. an appreciation of the nature of scientific inquiry and understanding, and
2. an understanding of the concepts that unify the natural sciences.

GER 3 Social Sciences (two courses)

GER 3 courses will expose students to the methodology, foundational concepts, theories, assumptions, uses, and limitations of present modes of inquiry in the social sciences; and to the analysis of social phenomena and/or the assessment of public policy alternatives. Social science is defined as the application of empirical methods (construed broadly) and/or mathematics to the description, explanation, or prediction of human behavior. "Human behavior" is taken to include social action and interaction, and psychological phenomena.

GER 4 World Cultures and History (one course in category A, one course in category B and one additional course in either category A, B or C) To satisfy this requirement, a student must take one of the following combinations of GER 4 courses: AAB, ABB or ABC.

4A History and Culture in the European Tradition

4B History and Culture outside the European Tradition

4C Cross-Cultural Issues

The World Cultures and History GER is designed to introduce students to major ideas, institutions, and historical events that have shaped human societies. The courses that would meet this objective have the following features:

1. they are courses covering more than one period, or covering critical periods, or movements which are designed primarily to explore topics, issues, or themes (as opposed to teaching the methods/theories of a discipline);
2. they are informed by an historical perspective (in the sense of addressing the changes in institutions, movements, or cultural practices);
3. they emphasize critical events, institutions, ideas, or literary/artistic achievements; and
4. using disciplinary or interdisciplinary theoretical frameworks, they focus on a European or a non-European tradition, or explore topics comparatively across traditions.

GER 5 Literature and History of the Arts (one course)

A liberally educated person should possess knowledge of important and influential forms of literary and artistic achievement, and of how they both reflect and shape their cultural contexts. A course which satisfies GER 5 would introduce students to at least two major forms, genres, eras, cultures, or movements; and/or at least two methods of analysis. It would provide students with the vocabulary of the discipline, and would teach them to apply the appropriate methodology for critical analysis.

GER 6 Creative and Performing Arts (two credits in the same creative or performing art)

Many GER 6 courses are two or three-credit courses. In the case where one-credit courses are used to satisfy this requirement, the courses must be in the same performance medium. For example, to satisfy this requirement, a student could take two individual one-credit Music performance courses using the same instrument, two semesters of the same ensemble course, or two Kinesiology courses in the same performance medium. However, a student could not satisfy this requirement by taking a one-credit Music performance course of beginning guitar and a one-credit course of beginning oboe, or one semester of piano and one semester of jazz piano.

The purpose of GER 6 is to understand the artistic process. Accordingly, by actively involving students in exercises that require artistic choices, GER 6 courses aim for an experience-based understanding of how the artist communicates. A course that satisfies GER 6 would require a student to begin to understand an art at the foundation level through artistic activities involving each of the following: developing their artistic skills; and applying the principles of the art through projects and/or exercises.

GER 7 Philosophical, Religious and Social Thought (one course)

The course must take a critical view of important and influential approaches to philosophical, religious, or social thought. Not only must the course deal with matters of enduring concern to human life, such as meaning, value, justice, freedom and truth, but it must also aim at cultivating reasoned analysis and judgment in students who take it. **For a course to satisfy GER 7, it must address three distinct areas:**

- 1. BASIC NORMS OR VALUES**
- 2. QUESTIONS OF JUSTIFICATION OF NORMS AND VALUES**
- 3. STUDENT ACQUISITION OF CRITICAL SKILLS**

4. The Major

Upon completing 39 credits students are eligible to declare a major. (In the Schools of Business and Education, declaration of major is not equivalent to admission to the program; check the catalog sections on these programs for information about admission criteria.) Declaration of a major shall occur before the end of the sophomore year, defined as when a student has earned 54 credits. While new majors may be declared after that time, applications for an interdisciplinary major or an international studies/international relations major must be submitted to the Committee on Honors and Interdisciplinary Studies or the International Studies Committee before the beginning of registration for the first semester of the student's senior year.

A student may declare a maximum of two majors. Either major may be selected as the primary major except as noted above. College policy prohibits the awarding of a second baccalaureate degree and completion of two majors does not constitute completion of two degrees. A maximum of two courses may be counted toward both majors.

Majors are offered (for the Bachelor of Arts degree) in American Studies, Anthropology, Art and Art History, Classical Studies, Computer Science, Economics, Elementary Education, English Language and Literature, French, German, Government, History, Interdisciplinary Studies, International Relations, International Studies, Kinesiology, Mathematics, Music, Philosophy, Psychology, Public Policy, Religion, Sociology, Hispanic Studies, Theatre, and (for the Bachelor of Science degree) in Biology, Chemistry, Computer Science, Geology, Kinesiology, Mathematics, Physics and Psychology.

Candidates for the B.S. degree with a major in the social sciences must complete three additional courses in computer science, mathematics, biology, chemistry, geology or physics. This is in addition to satisfying the GER 1 and GER 2 requirements.

Of the 120 semester credits required for graduation, no more than 48 semester credits may be applied in a single subject field. Although students may earn more than 48 semester credits in a single subject, a minimum of 72 semester credits must also be earned in other subject fields. For example, if a student has 55 semester credits in English, then she or he will have to earn a total of 127 credits to graduate. (An exception occurs in the East Asian Studies program and for Art majors; consult the Catalog section on International Studies and Art and Art History.) In Business a student may not apply more than 60 hours toward the 120 credits required for a degree. A student may not apply more than 33 credits in Elementary Education or 24 credits in Secondary Education toward the 120 credits required for a degree. (One exception to this rule can be found under the School of Education Study Abroad Program.)

Interdisciplinary majors are supervised by the Committee on Honors and Interdisciplinary Studies, American Studies majors by the American Studies Committee, International Studies and International Relations majors by the International Studies Committee, and Public Policy majors by the Public Policy Committee. Students must submit a plan to the appropriate committee for approval. Applications are available in the appropriate offices. Details regarding degree requirements and policies affecting interdisciplinary majors are available from the appropriate program office. It is the student's responsibility to ensure that all requirements are met and all policies followed.

Minors: In addition to the required major, a student may elect to pursue a program of studies designated as a minor. A minor consists of 18-22 credit hours of courses approved by a department or by the Committee on Honors and Interdisciplinary Studies in the case of an interdisciplinary minor and by the International Studies Committee for an international studies or international relations minor. Courses completed for a minor may also satisfy GER requirements but may not be taken on a Pass/Fail basis. A student must earn at least a 2.0 grade point average in the minor. Information about specific minors can be obtained from the appropriate department. A maximum of two courses may be counted toward both a major and a minor. A student who intends to complete a minor must declare this intention to the department or program before registration for the final semester of the senior year. Upon completing a minor, a student must present the list of appropriate courses to the department or program for certification and to the registrar for verification and for posting on the permanent record card at the time of graduation. A student who declares two majors may not declare a minor.

Department Honors

The Department Honors program, administered by the Roy R. Charles Center, provides special opportunities through independent study for the intellectual stimulation and development of superior students in certain departments and interdisciplinary programs. Participating departments and programs include American Studies, Anthropology, Art and Art History, Biology, Black Studies, Chemistry, Classical Studies, Computer Science, Economics, English, Geology, Government, History, Interdisciplinary Studies, International Relations, International Studies, Kinesiology, Literary and Cultural Studies, Mathematics, Modern Languages and Literatures, Music, Philosophy, Physics, Psychology, Public Policy, Religion, Sociology, and Theatre, Speech and Dance.

For more detailed statements of departmental requirements, consult catalog entries by department and separate instructions issued by each department. For further information about Department Honors, consult the Charles Center website at <http://fsweb.wm.edu/charles>.

Eligibility and Admission to the Department Honors Program: Eligibility is contingent upon the following criteria.

1. a 3.0 cumulative Grade point average, or
2. a 3.0 Grade point average for the junior year alone, or
3. special permission of the Committee on Honors and Interdisciplinary Studies, which will consider appeals only when initiated by the department as well as by the student in question.

Students who wish to pursue Honors work and who have good reason to believe that they will qualify, based on the criteria above, should declare their interest as early as possible to the chair of their department. Such declaration should be made in the spring semester of the junior year.

Students will be admitted to candidacy when: (1) their written thesis or project proposal is accepted by a departmental committee preferably by the last semester of their junior year but no later than the end of the add/drop period during registration for the first semester of their senior year; (2) their candidacy is accepted by a departmental committee subject to considerations of teaching staff availability; (3) their eligibility is certified by the Director of the Charles Center.

Minimum Requirements for a Degree with Honors

1. Satisfactory completion of a program of reading and research supervised by a faculty member designated by the chair of the student's major department. Six hours of credit in a course designated 495-496 in each department offering Honors shall be awarded each student satisfactorily completing the program.
2. Satisfactory completion of the general requirements for the degree of A.B. or B.S.
3. Presentation of a completed Honors thesis: A copy of the completed Honors thesis in a form that is acceptable to the major department must be submitted to each member of the student's Examining Committee two weeks before the last day of classes of his or her graduating semester. (See below: Examining Committee)
4. Satisfactory performance in a comprehensive examination on the thesis and related background. The examination may be oral or written or both.

Examining Committee

1. Each comprehensive examination shall be set and judged and each Honors essay or project shall be judged by an examining committee of not less than three members, including at least one member of the faculty of the candidate's major department and at least one faculty member from another department.
2. During the first month of the candidate's final semester, examining committees shall be nominated by the chair of the department and approved by the Director of the Charles Center.

The award of "Honors," "High Honors" or "Highest Honors" shall be determined by the student's examining committee, except in the

departments of Biology and Physics which grant the single award of Honors in Research. The committee shall take into account the recommendation of the advisor as well as its own judgment of the examination and essay or project.

Unsuccessful Honors Projects

1. If it becomes evident before the end of the first term that the student will not complete the project, the student and the supervising faculty member must either (1) withdraw the student from Honors 495; or (2) change the Honors 495 designation to an appropriate alternative, such as independent study, by contacting the Charles Center.
2. If the project continues into the second semester and it then becomes evident that the project will not be completed by the submission deadline (two weeks before the last day of classes of the student's graduating semester), the student and the supervising faculty member must either: a) change Honors 495 and 496 to appropriate alternatives (in most cases, independent study) by contacting the Charles Center; or b) declare an incomplete, which can only be done in extraordinary circumstances and with departmental approval. The student and advisor must agree to firm new deadlines for the thesis and the defense and must submit these deadlines to the Committee for Honors and Interdisciplinary Studies.
3. If, upon completion of the oral defense, the examination committee determines that the thesis does not merit Honors, the committee must change Honors 495 and 496 to appropriate alternatives and award the student grades for these courses.

Thus, under no circumstances may Honors 495 and/or 496 remain on the transcript of a student who is not awarded Honors by the examining committee.

Graduation Honors

Latin Honors: To recognize outstanding academic achievement, the College awards degrees cum laude, magna cum laude and summa cum laude. The overall grade point average required for a degree cum laude is 3.50, for a degree magna cum laude 3.65, and for a degree summa cum laude 3.80. This honor is noted on the student's diploma and on the academic transcript.

Department Honors: The Department Honors program provides special opportunities through independent study for the intellectual stimulation and development of superior students in certain departments and interdisciplinary programs. Students in this program may, as the result of distinguished work, be awarded a degree with "Honors," "High Honors" or "Highest Honors." (except in the departments of Biology and Physics which grant the single award of Honors in Research). This honor is noted on the student's academic transcript.

Special Programs

Internships for Credit

Qualified students, usually in their junior or senior year, may receive credit from cooperating departments for an approved program which provides an opportunity to apply and expand knowledge under expert supervision in an on or off-campus position. These internships should provide a structured learning experience and must be approved in advance by the department, and evaluated by a William and Mary faculty member. Academic credit is awarded for a project that incorporates the hands-on experience of the internship but which also includes an analytic or research component, and a final, written report. Individual departments determine the number of credits in an academic internship that may count toward the minimum number of credits required in a major. Normally three credits are awarded, but in exceptional and approved cases a department may award more. No more than six credits in academic internships may be applied to the 120 credits required for graduation. An internship agreement must be completed with signatures of the student, evaluating faculty member and any external supervisor. These are to be filed in the Office of Academic Advising before the student begins the internship. There will be no consideration of academic credit without an internship agreement. Students undertaking internships that will take them away from campus for a semester or year should notify the Office of the Dean of Students before beginning the internship. International students who anticipate receiving payment should contact the Office of Multicultural Affairs International concerning visa requirements. For general information and counseling about internships contact the Office of Academic Advising, Ewell Hall 127.

Non-Credit Internships

Students interested in pursuing non-credit internships may apply through the Office of Career Services (123 Blow Memorial Hall) for participation in the *Local Internship Program*. Placements are available in law firms, medical offices, museums, social service agencies, businesses, schools, investment firms, publishing groups, public relations offices, technology companies, and science labs. Opportunities for summer internships are also available through the Office of Career Services. Some internships are listed directly with Career Services and the office provides students access to a database of nearly 20,000 opportunities in a broad range of fields and locations. Staff members in the Office of Career Services are available to counsel students concerning internship and other career-related opportunities.

Study Abroad

William and Mary has long recognized its responsibility to provide a global perspective to its curriculum so students gain the international understanding necessary to be informed citizens. The College encourages students to view study abroad as an educational objective. When planned in advance and integrated into a student's on-campus academic plan, study abroad can be integral to the liberal arts, providing cultural enrichment, personal development and intellectual challenge.

Study abroad programs are available at St. Andrews University, Scotland; University of Exeter, England; London School of Economics, England; University of Manchester, England; Oxford University, England; University of Münster, Germany; Université Paul Valéry in Montpellier, France; [Tsinghua University](#), China; Kanazawa University, Japan; Keio University, Japan; Yonsei University, South Korea; National Chengchi University, Taiwan; University of Adelaide, Australia; University of Costa Rica, Costa Rica; and McGill University, Canada, as well as many other locations. Summer study abroad programs are sponsored by the College in Adelaide, Australia; Beijing, China; Cambridge, England; Montpellier, France; Florence, Italy; St. Petersburg, Russia; and Cadiz, Spain.

All students who plan to study abroad must register with the Reves Center for International Studies. Pre-approval of transfer credit by an appropriate department chair or designee is required for all study abroad programs except the William and Mary faculty led-programs. The program sponsor determines the amount of credit awarded for a given course. Approved study abroad transfer credits count towards the graduation requirement of 120 academic hours. While abroad, students must enroll in at least 12 credits per semester in order to be considered full-time although a maximum of 18 credit hours per semester may be earned. Students cannot satisfy GER requirements on a study abroad program unless it is a William & Mary faculty-led program and the course in question qualifies to do so according to the course catalog. Credits will be transferred only if a student has earned a grade of C- or better. Earned credits may count towards a major, minor, or any electives. Grades are not posted on the William & Mary transcript nor calculated into a student's GPA unless the courses were taken on a William & Mary faculty-led program.

Students interested in learning about these programs and other foreign study opportunities should contact the Global Education Office, located in the Reves Center for International Studies, at (757) 221-3594.

Pre-Professional Programs

Students may follow programs at William and Mary within a liberal arts framework which will prepare them for study in dentistry, engineering, forestry, medical technology, medicine and veterinary medicine. Students who are interested in pre-professional programs should plan their programs in consultation with their advisors.

Pre-Medical and Pre-Dental Programs

There are no specific pre-medical or pre-dental programs at William and Mary. Students preparing for admission to medical or dental school may choose to major in any department. Although medical and dental schools in general have no preference as to the major field of undergraduate study, they do believe that the student should pursue a coherent program with some depth. The foundation of medicine and dentistry is the natural sciences. All medical schools and most dental schools include in their admission requirements four years of laboratory science courses: biology, inorganic chemistry, organic chemistry and general physics. Calculus is rapidly assuming the same importance. At William and Mary, the above courses are Biology 203-204-200-206, Chemistry 103/151, 206/252, 307/353 and 308/354, Physics 101-102 or 107-108 (Chemistry and Physics concentrators take 101-102), and one year of Mathematics (Chemistry and Physics concentrators take calculus). Science courses in addition to these minimal requirements are required by some schools and viewed with favor by many others. One year of English is required by many schools. In any case, students' choices of courses should be balanced and should reflect their overall intellectual development.

Because medical schools begin to reach decisions on applicants for admission early in the senior year on the basis of records established at that time, it is advantageous that the minimal required science courses be completed in the first three years. All pre-medical students are encouraged to seek academic guidance early in their careers through scheduled consultations with Dr. Randolph Coleman in the Department of Chemistry or Prof. Beverly Sher in the Department of Biology. Students should contact them directly via email at racole@wm.edu and btsher@wm.edu to schedule appointments.

Combined Degree Programs

Academic programs of students who participate in any combined degree program must be approved in advance by the Committee on Degrees. All William and Mary degree requirements are applicable to students in the 3:2 program. All GER and Proficiency requirements must be completed at William and Mary. Students must have at least an overall 2.0 GPA and at least a 2.0 GPA in courses taken at William and Mary toward the fulfillment of major requirements. Elective hours toward the major may be completed elsewhere but students must earn as many credits toward the major as required if they were completing all degree requirements at William and Mary. The chair of the department in which the students are concentrating will determine which courses elsewhere will count toward the William and Mary major requirements if they happen to be in other subject fields. Students must have earned 120 hours including at least 60 hours at William and Mary, before a degree is granted.

Engineering Schools: William and Mary has "combined plans" with the engineering schools of Case Western Reserve, Columbia University, Rensselaer Polytechnic Institute and Washington University in St. Louis. Under the "3:2 plan", a student spends three years at William and Mary and two years at the engineering school and receives a bachelor's degree from William and Mary as well as a bachelor's or master's degree from the affiliated engineering school. The degree from William and Mary is awarded after one full year in the professional program upon successful completion of the degree requirements of the College. Prerequisites for the 3:2 programs are varied, but the following general guidelines are useful. Courses which should be completed by the end of the junior year include:

- Mathematics 111, 112, 211, 212, 302
- Physics 101, 102, 201
- Chemistry 103, 206
- Computer Science 141, 240

Those interested in Electrical, Mechanical or Aerospace Engineering typically major in Physics; Chemical and Environmental Engineers major in Chemistry; Computer Systems Engineers major in Computer Science or Computer Science/Physics.

Normally a B average is required for the student to be accepted by the engineering institution into their 3:2 program. The requirements tend to be slightly higher for Electrical Engineering and Computer Systems Engineering.

For details, consult Prof. Chris Carone in the Physics department.

Forestry and Environmental Science: The College offers a special program in cooperation with the School of Forestry and

Environmental Science of Duke University. A bachelor's degree is awarded by the College after successful completion of the degree requirements of the College and one full year in the professional program. Upon completion of a five-year coordinated course of study, students will have earned the professional degree of Master of Forestry or Master of Environmental Management from Duke University. Students devote the last two years of their program to the chosen professional curriculum at Duke, where courses are open only to seniors and to graduate students. Because the Duke program includes only 24 academic credits per year, William and Mary students must have completed 96 academic credits prior to enrollment at Duke. Prerequisites for this program are MATH 111 or 112, ECON 101 or 102, BIO 203, 204, CSCI 141 and one statistics course.

Information on curriculum planning for entry into the program with Duke is available through consultation with Dr. Martin C. Mathes, Professor of Biology.